



# Essential Oil University

## GC/MS Report

Item	Lot
Ravintsara (ECO) EO <i>Cinnamomum camphora</i>	0D
Date	Analyst
12/15/2025	Dr. Robert S. Pappas

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**The analysis of this batch sample, Ravintsara (ECO) EO, meets the expected chemical profile for authentic essential oil of *Cinnamomum camphora*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.**



## Sample Information

**Company:** Revive  
**Sample Name:** Ravintsara (ECO) EO  
**Botanical Name:** Cinnamomum camphora  
**Lot Number:** 0D  
**Production Method:** Steam distilled

**Sample Type:** EO - Single  
**Country of Origin:** Madagascar  
**Analysis Date:** 12/15/2025  
**Manufacture Date:** October 2025

## GC/MS

**Inst. ID:** Shimadzu GCMS-QP2010Ultra  
**Injection Type:** Split  
**Split Ratio:** 24.4

**Column Type:** ZB-5  
**Injection Volume:** 0.1 µL  
**Temperature Program:** 2C/min

## Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-15.08
Refractive Index @20°C	USP[831]	1.46406
Specific Gravity @20°C	USP[841]	0.90481



Ret. Time	Component	Ret. Idx.	Conc. %	
11.961	Hashishene	913	0%	
12.082	Tricyclene	915	0.01%	
12.233	alpha-Thujene	918	0.76%	
12.656	alpha-Pinene	925	7.32%	ALLERGEN
13.472	alpha-Fenchene	939	0.01%	
13.564	Camphene	941	0.13%	
14.863	Sabinene	964	13.18%	
15.159	beta-Pinene	969	3.24%	ALLERGEN
15.780	Myrcene	980	0.88%	PROP. 65
16.702	Pseudolimonene	996	0.02%	
16.852	alpha-Phellandrene	999	0.16%	
17.518	alpha-Terpinene	1009	1.96%	ALLERGEN
18.007	para-Cymene	1016	0.82%	
18.172	Unidentified	1019	0.01%	
18.331	Limonene	1021	1.45%	ALLERGEN IFRA
18.445	beta-Phellandrene	1023	0.34%	
18.586	1,8-Cineole	1025	56.53%	
18.695	cis-beta-Ocimene	1027	0.05%	
19.390	trans-beta-Ocimene	1037	0.11%	
20.190	gamma-Terpinene	1049	1.13%	
20.973	trans-Sabinene hydrate	1061	0.32%	
22.005	Terpinolene	1076	0.24%	ALLERGEN
22.951	Linalool	1091	0.05%	ALLERGEN IFRA
23.043	cis-Sabinene hydrate	1092	0.32%	
24.667	cis-para-Menth-2-en-1-ol	1116	0.05%	
25.897	trans-para-Menth-2-en-1-ol	1133	0.04%	
26.226	Camphor	1138	0.01%	ALLERGEN
27.829	delta-Terpineol	1161	0.18%	ALLERGEN
27.949	Borneol	1163	0.05%	
28.566	Terpinen-4-ol	1171	3.53%	
29.575	alpha-Terpineol	1186	4.74%	ALLERGEN
29.680	cis-Piperitol	1187	0.02%	
30.518	trans-Piperitol	1199	0.02%	
31.553	Nerol	1214	0.01%	
33.297	Linalyl acetate	1240	0.08%	ALLERGEN
34.956	cis-Ascaridol glycol	1264	0.01%	
36.131	trans-Ascaridol glycol	1281	0.01%	
38.115	Unidentified	1310	0.01%	
38.865	delta-Elemene	1321	0.01%	
40.076	Eugenol	1340	0.01%	ALLERGEN IFRA



Ret. Time	Component	Ret. Idx.	Conc. %	
42.637	beta-Elemene	1379	0.03%	
44.564	beta-Caryophyllene	1408	0.93%	ALLERGEN
45.174	Unidentified	1418	0.01%	
45.744	beta-Copaene	1427	0.01%	
46.432	Humulen-(v1)	1438	0.01%	
46.815	alpha-Humulene	1444	0.65%	
48.405	Germacrene D	1469	0.24%	
48.898	beta-Selinene	1477	0.03%	
49.021	Viridiflorene	1479	0.02%	
49.299	Bicyclgermacrene	1483	0.2%	
50.672	delta-Cadinene	1506	0.01%	
53.090	Germacrene B	1546	0.01%	
54.128	Spathulenol	1564	0.01%	
54.441	Unidentified	1569	0.01%	
55.301	Unidentified	1583	0.01%	
57.353	Unidentified	1619	0.01%	

Total Identified Compounds **99.95 %**



TIC  
37,351,623

